International application No. PCT/KR2004/002864

### A. CLASSIFICATION OF SUBJECT MATTER

# IPC7 B21F 27/00

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 B21F 27/00, E04B 1/18, 1/32, E04H 12/00, 12/18

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched KOREAN PATENTS AND APPLICATIONS FOR INVENTION SINCE 1975

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used)
KIPONET

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Α	US 5,505,035 A (LALVANI) 9 APR 1996 See the whole document	1-16
Ä	US 5,265,395 A (LALVANI) 30 NOV 1993	1-16
	See the whole document	
Α	US 4,667,451 A (ONODA) 26 MAY 1987 See the whole document	1-16
A	US 4,539,786 A (NELSON) 10 SEP 1985 See the whole document	1-16
A	JP 1996-219379 A (DESIGN SCI) 30 AUG 1996 See the whole document	1-16

	Further documents are listed in the continuation of Box C.
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See patent family annex.

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- "A" document defining the general state of the art which is not considered to be of particular relevance
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- "&" document member of the same patent family

Date of the actual completion of the international search

22 FEBRUARY 2005 (22.02.2005)

Date of mailing of the international search report

23 FEBRUARY 2005 (23.02.2005)

Name and mailing address of the ISA/KR



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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.
PCT/KR2004/002864

	Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 	5,505,035 A	9 APR	1996	NONE		
US 	5,265,395 A	30 NOV	1993	NONE		
us 	4,667,451 A	26 MAY	1987		JP 1994-15783 B4 EP 0210776 B1 DE 3678221 C0	20 MAR 19
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